

FOLIO

University of Alberta

7 September 1989



They're back! Students have returned to campus for the 1989-90 winter session. Here, students pick up their registration and Library cards at the Butterdome.

Faculty of Graduate Studies and Research aims for more strength in numbers

FS Chia, just back from study leave, used the time to reorganize his research and to get back in touch with front-line developments in marine biology. He also wrote a number of papers, read voraciously, gave some seminars and attended selected conferences. The Faculty of Graduate Studies and Research, of which he is Dean, was often out of sight but it would have been next to impossible for him to put it out of mind because of what he wants to accomplish.

Dean Chia wants the best for the Faculty and for the Faculty to stand for the best. There are three watchwords: quality, quantity and heterogeneity. "It has to be a good program or we shouldn't have it," he says. A large number of graduate students is the ideal, that is, the percentage of graduate students should, like such leading American institutions as Harvard and Berkeley, be on the order of 25 to 35 percent or more. Graduate enrollment at the University of Alberta accounts for

13 percent of the student body, making us number 10 or 11 in the nation (McGill is the leader, at 26 percent). "We haven't kept up with the general trend in Canadian universities," Dean Chia says.

When he refers to heterogeneity, he means a higher diversity of programs ("we have to be responsive to changes in society") in addition to a wider geographic mix in the graduate student population.

When he talks of finding and recruiting good students, Dean Chia means those who can exert leadership in a department and, by setting an example, lift their fellow students to higher standards.

A graduate student's interest in a particular university hinges on its reputation, the cost of living and the University's financial support structure and standing in the national scholarship rankings.

Achievements of note continue to be recorded at the University of Alberta, but Dean Chia says many of his colleagues in the United States

know very little of the place. (When they do manage a visit they are most impressed, he adds.)

The cost of living doesn't pose a problem because "we're very competitive" but there's not enough University support in the form of teaching assistantships and research assistantships. As for national scholarships, "we're not as well known as we should be; we're not hustling hard enough." At the University of British Columbia, for example, one out of every five doctoral students has a SSHRC, NSERC, MRC or Commonwealth scholarship or fellowship. At the U of A, it's one out of eight.

"We're trying hard, but it's still not good enough," Dean Chia says.

The Faculty hasn't been able to communicate with these agencies on a personal basis, largely because there's no academic liaison officer who's adept at moving disarmingly in their circles.

The appointment of MP (Patti) Browne as Associate Dean whose

responsibilities include graduate scholarships and recruitment brightens the outlook immeasurably although it must be remembered that the Associate Deans spend half their time in the Faculty and the other half in their home department.

For those graduate students weighing enrollment at the University of Alberta, Dean Chia says "we never compromise on quality" and "we'll never be accused of losing good students because we're slow; we can offer admission within one week for exceptional applicants."

Dean Chia is not averse to circumventing that most traditional of motifs, red tape. He once admitted an exceedingly bright student into a PhD program even though that person didn't have a bachelor's degree.

His second five-year plan for the Faculty will be ready by December and he says it will call for more financial aid for students with special emphasis on scholarships and more high quality doctoral programs and students (there's ample potential in such disciplines as biotechnology, engineering, medicine and environmental studies, he says).

Dean Chia will also draw attention to the need for course-only master's programs for professionals (teachers, engineers, etc) who can't attend the University of Alberta full-time. Few additional resources would be required because, as no thesis work is required, students wouldn't require the amount of space, equipment and supervision that thesis master's and doctoral students do.

There are limited grants and research contracts for doctoral students in the fine arts and humanities and Dean Chia says "I have to protect this area . . . I'm fighting for more University support which would be awarded solely on merit." □

INSIDE

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Graduate Studies expands its administrative team

To help effect his five-year plan, Dean Chia will rely on Associate Deans Gary Prideaux, JA (Tony) Kernahan and MP (Patti) Browne, and Executive Secretary Carmen

Kachuk.

Dr Prideaux (Linguistics) continues as Associate Dean; his areas of responsibility include graduate programs in Arts,

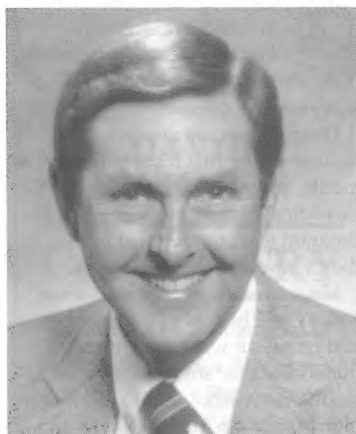
Agriculture and Forestry, Physical Education and Recreation, Nursing and Rehabilitation Medicine.

Dr Kernahan (Physics) has been appointed Associate Dean effective

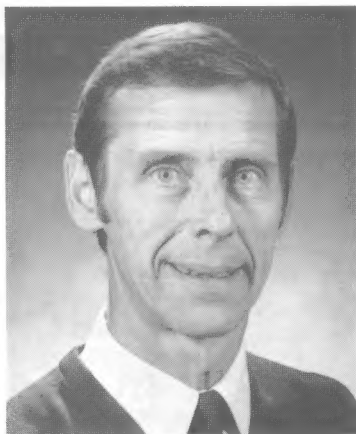
1 July for graduate programs in Medicine, Science, Home Economics, Engineering, Dentistry and Pharmacy and Pharmaceutical Sciences.

Dr Browne (Elementary Education) began her term as Associate Dean on 1 September. Her duties relate to graduate programs in Business, Library and Information Studies, Education and Law and, as noted in the accompanying article, graduate scholarships and recruitment. She has been appointed Chair of the Graduate Scholarship Committee (and will be the graduate liaison for the agencies which grant scholarships.)

SH Arnold, Associate Dean, is on leave until 30 June 1990. □



Gary Prideaux



JA (Tony) Kernahan



MP (Patti) Browne

Nomination deadline set for 3M Teaching Fellowships

The deadline for nominations for 3M Teaching Fellowships is 29 September.

"We have had three winners from the University of Alberta so far," says Bente Roed Cochran (CITL). "As we have so many excellent teachers, I hope that one or more of our faculty will be granted the award this year."

The awards are given to faculty members practising and promoting good teaching in Canadian universities; 10 are chosen each year to take part in a three-day seminar at Chateau Montebello, 12 to 14 November.

Fellowships go to the top

candidates regardless of their province and previously unsuccessful candidates can be renominated.

University of Alberta recipients of 3M Fellowships are: Roger Beck (Business), 1986; Ray Rasmussen (Business), 1987; and John Kuspira (Genetics), 1988.

The award is for one year and includes a lifetime membership in the Society for Teaching and Learning in Higher Education (STLHE).

More information on the nomination process can be obtained from the CITL office. □

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University
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Alberta

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Students' Union WOW(ing) 'em

WOW, the Students' Union's Week of Welcome, is in high gear.

The week-long (5 to 10 September) extravaganza (it used to be called Freshman Introduction Week) celebrates school spirit and pride.

Students got to know Garneau residents a little better because of a free pancake breakfast in the nearby community, 6 September.

A beer gardens continues in the Quad from 11 am to 5 pm today and tomorrow (7 and 8 September) as do club information displays (10 am to 5 pm both days).

A film festival is under way at Myer Horowitz Theatre and it wouldn't do to forget the Butterdome Bash on 9 September (8 pm to 1 am). There will also be a Bear Gardens (pep rally) in the Quad that day (11 am to 5 pm).

On 10 September, the Bears take on the University of Manitoba Bisons. Kickoff time at Varsity Stadium is 1 o'clock.

Other WOW events include a SORSE "Walk Down Whyte", (7 September, 6 to 8 pm) and an international food fair, noon to 2 pm in the Quad. □

Temperature changes important in workplace, researchers say

So the company you work for is proud of the fact that it can uniformly control the temperature throughout the building within 0.1 degrees. They shouldn't be, say a University of Alberta psychologist and a Norwegian heating expert.

"For many years in Europe we have been focusing on stable room temperatures, but newer research has shown that people need different temperatures for better working conditions," says Tore Langnes, a leading Norwegian heating specialist, who has joined forces with psychologist Thomas Nelson, to develop an energy-saving heating device.

The two researchers are attempting to form a joint Norwegian-Canadian venture and are hopeful an eventual feasibility study will lead to prototypes.

"The product is very simple," says Dr Langnes. "A radiant heater could be placed underfoot or under working services, and would result in the significant advantage of saving energy," he says, adding that the localized heat sources could be set to suit the individual's needs.

"Previously, we have always been thinking in terms of rooms



Tore Langnes

and buildings and now we are thinking about the human being," he says. The devices would not only provide local heating suited to the individual, but temperatures within buildings could be turned down in other areas, which would provide a refreshing temperature

change for people moving to and from these areas.

These heaters would also mean that the central system would not have to deliver as much air, resulting in less dust and biological particles in the working environment.

Although the concept seems so simple, Dr Langnes says the idea hasn't been pursued because of the big producers.

"We have the same problem as in the car industry where everything is governed by the big producers who set the principles of what is good and what is not good," he explains. So, as a result, the heating industry operated on the premise that temperature constancy was good.

"The reason we're sitting here is because a psychologist has moved into the heating area and this has given new thoughts," Dr Langnes says. "This will happen everytime you put a person from one scientific field with another person from another field."

Dr Nelson's climatic chamber studies here at the U of A have led him to believe in the necessity of temperature changes in the workplace as a means of

combatting fatigue and encouraging comfort and productivity.

He says although there is some very fine work being conducted with climatic chambers in Denmark and the United States, the issues he and Dr Langnes are interested in have never been addressed.

"We don't see ourselves quite so much as productive items, rather as people who are giving their time and energy working. People are expecting more out of work than simply wages," he says, adding that they also want to maintain their health and feeling of well-being.

Meantime, Drs Langnes and Nelson are attempting to secure financing in both Canada and Norway; discussions with NOBO, one of the biggest producers of electrical heaters in Europe, are taking place.

"We have to find funds from the capital market and that's a tough thing to do for a university professor," says Dr Nelson. "The product has to be developed in a way that venture capitalists, producers and everyone can say 'it's okay.'"

Prognosis: hardening of a campus artery (89th Avenue closes in January)

In mid-January 1990, 89 Avenue will be closed to all traffic to facilitate construction of the University LRT Station. The City has negotiated an arrangement with Alberta Public Works and the Jubilee Management Committee to relocate transit operations on their site in the northeast corner of the parking lot (zone X) off 114 Street. This is a temporary situation (18 to 24 months) at the end of which transit operations will resume on 89 Avenue.

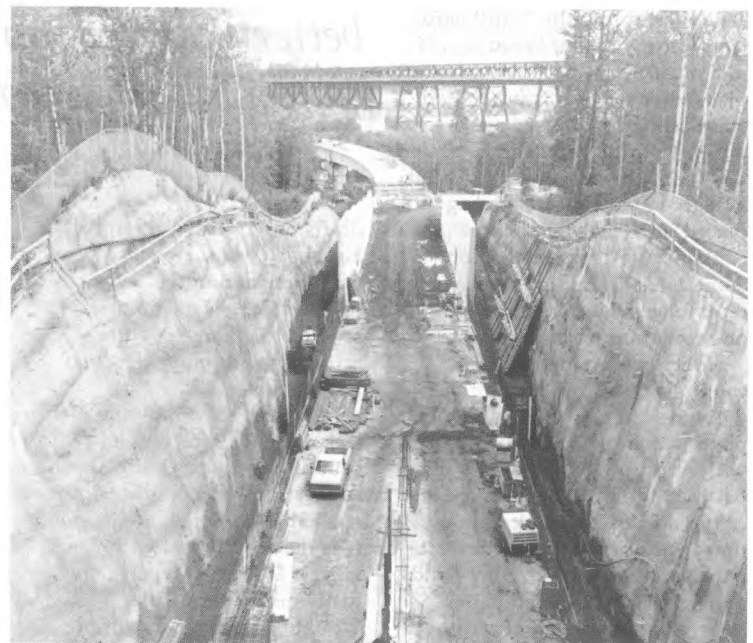
Construction of the temporary transit centre is to begin in mid-September and become operational mid-January when the University Station construction is slated to start. The City will restore the Jubilee site, including 60 stalls lost to the transit centre, once operations reconvene on 89 Avenue.

All bus routes currently in operation will be relocated,

therefore existing service will be maintained. The temporary transit centre will be a one-way system west with access off 114 Street. Buses will exit onto 87 Avenue from the existing north/south roadway on site. Pedestrian roadway crossings will be enhanced to minimize access difficulties to bus loading and unloading points. As many as five bus shelters will be provided for the convenience of transit users.

The City intends to conduct a major publicity campaign prior to January 1990 to advise people of the changes. The City's public relations office will be in charge of this effort and I've stated that we (Planning and Development) would like to be involved with the planning of this campaign.*□

*Tim Brockelsby (Planning and Development) prepared this article for Folio.



The LRT line inches its way towards campus.

Guest column:

We need environmental board on campus

By Sandra Niessen
Department of Clothing and Textiles

We have made such a mess of our planet that it is beginning to close in rather uncomfortably around us. We are told, and the evidence corroborates it, that we are the most wasteful and imprudent of societies and that if we are to leave a habitat conducive to the survival of our children, to say nothing of their well-being, we have to clean up our act. That is to say, WE have to clean up our act. There is no time left to leave it to future generations.

We are told that "collectively we CAN make a difference" and "it all begins with the individual". We are encouraged to take our lawns and gardens off drugs and our babies off disposable diapers, to use harmless substitutes for the chemicals underneath our sinks, and take up bicycle riding, to refrain from accumulating, and to query how on earth grandmother ran her kitchen when she didn't have saran wrap . . . in short, to radically change our lives.

The addition of the "blue box" on my porch has made me ponder the environmental properties of things I consume. It has heightened my awareness of the styrofoam dish under the hamburger sold at the meat counter, and the metal sandwiched into the "cardboard" fruit-juice box, that bread is sold in a plastic bag and put in another plastic bag when it is purchased, and that both of these bags are put in a plastic garbage bag under the sink, which, when full, is put in a green plastic garbage bag and placed in a plastic garbage container for refuse collection. Sometimes I think my refuse resembles plastic Russian dolls, one container within the other.

Similarly I am aware that I cannot eat lunch in HUB or SUB without eating it off a styrofoam plate with a plastic fork, and without throwing my empty juice bottle in the garbage with the rest of the refuse. I note, unhappily, that I wipe my mouth with white paper napkins, and dry my hands with similarly bleached paper towels, that my trash can at the end of the day is brimming with tossed out memos and rough



U of A lawns suggest they are on drugs.

"Perhaps we are at the stage where a sound environmental policy is better than a contribution to a cancer research fund."

drafts of work all written on bleached paper. Hereby I support, massively and unwillingly, Premier Getty's misguided scheme to enlarge Alberta's economy with more bleached paper mills.

I find myself wondering if the lack of dandelions on our beautifully coifed U of A lawns suggest they are on drugs, just as our hallways which my janitor tells me are cleaned with "germ killer". Does our department really need "germ killer"? Wouldn't a simple mixture of baking soda and water be sufficient?

With respect to paper recycling, the U of A has made strides that I have applauded along with many others since the day I set foot on campus. These efforts set a good example of what else can be done. What about separate bins in HUB and SUB where we can throw our glass refuse? What about good old paper-plates, if glass absolutely cannot be used? Hasn't the era dawned that a few weeds in the lawn are a sign of a new kind of caring? Perhaps we are at the stage where a sound environmental policy is better than a contribution to a cancer research fund.

In the wake of our compulsory WHMIS training which taught us how to label and handle chemicals and other harmful substances according to national standards, would it not also be useful to sit down and determine whether many of those nicely labelled substances are actually necessary at all? What is stored NEEDLESSLY under our University sinks when there are less noxious alternatives? This could be as simple as substituting soap powder for detergents. We should have standards to follow not just on the handling and labelling of our chemicals but also on their purchase: was their purchase necessary in the first place?

The way we care for our work environment must change in the same way as we are changing how we care for our home environments. Collectively we have a booming voice. This is the second largest university in Canada.

I remember a recent conference I attended where the eager and enthusiastic participants were pumped full of information about how we CAN make a difference to our world by following new practices. After the conference, a meal was catered for us, and our appetites matched our dashed ideas when we noted that we were being fed off styrofoam with plastic utensils and drinking glasses. The conference was telling us: do as we say, not as we do. Surely we are giving the same message to our students when we are not actively pulling the physical university environment out of the ivory tower and applying the environmental principles which many of us teach in the classroom. Our students will be forced to grapple with environmental issues in an intensive manner for the rest of their lives, and we may as well use our power of example to help the whole process along. Surely this is an admirable goal for any educational institution.

We need an Environmental Board on campus and a set of strict policy guidelines so that we may feel healthy in our hallowed halls, to say nothing of confident, proud, and relieved. □

Must share responsibility of teaching, educator says

University professors must pay more attention to the coordination of teaching responsibilities in order to produce well-rounded graduates in their respective disciplines.

Neil Gold, Professor and Dean of the University of Windsor's Faculty of Law, says we're not each called upon to do the whole job of teaching. The extent to which we tend to parse out and share these responsibilities is relatively limited in many disciplines, he says.

Here to conduct a number of seminars and workshops for the Committee for the Improvement of

Teaching and Learning's orientation program for new faculty members, Professor Gold said, "This argues for a little bit of coordination because we can't do it all ourselves—even if we wanted to."

Professor Gold said university teachers are "not likely to accomplish goals, in terms of imparting knowledge, intellectual skills, valuing and performance, unless we really dedicate ourselves to producing these sorts of results. They don't necessarily happen without some intention and attention being given to their achievement."

Arguing for a "more strategic approach" to produce well-rounded graduates, Professor Gold said, "We do have to convey information, yet recognize that as we convey it, we give it a shading of meaning; even by choosing the information we convey, we tell our students what we value and what we don't."

He said even though this occurs, "we can't recoil from being always engaged in exposing what we consider to be important."

Another important teaching goal, he said, is to ensure that "our students feel our subject matter is important, that they take it seriously and see it as related to themselves."

The orientation also included sessions on: recognizing different learning styles; recognizing instructors' strengths and weaknesses; planning for teaching; and using alternative teaching strategies to lectures in large groups. □

CITL orientation for new faculty

The orientation for new faculty members provides "ways of making teaching more interesting and less daunting," says Neil Gold, Professor and Dean of Law at the University of Windsor.

Professor Gold said the two-day orientation is designed to "take some of the anxiety and apprehension out of teaching and to improve some of the participants' teaching skills."

Professor Gold, who conducted a number of workshops and seminars on 22 and 23 August, said he hoped that the participants, some of whom were existing faculty members, would come away with some specific teaching skills, for example, the ability to critically assess their own teaching strengths and weaknesses.

He said it was "very positive that

the Committee for the Improvement of Teaching and Learning and the University were focusing on the improvement of teaching."

CITL Peer Consultant Jim Newton said the "idea of an orientation is an excellent one. It's really important to promote excellence in teaching and this is one way of doing that."

CITL Coordinator Bente Roed Cochran said 63 people registered for the orientation, which was sponsored by the President's Office, the Centre for the Advancement of Professional Accounting Education (funded and supported by the Accounting Education Foundation of Alberta and the Chartered Accountants of Alberta), the Association of Academic Staff and the Office of CITL. □

SHARE THE EXCITEMENT! SOYEZ DE LA FÊTE

The Chancellor and the Chairman of the Board of
Governors invite all members of the University to the
Installation of

PAUL THEODORE DAVENPORT

as the tenth

PRESIDENT AND VICE-CHANCELLOR

of the

UNIVERSITY OF ALBERTA

OCTOBER 11, 1989

8:30 pm Installation Ceremony

Northern Alberta Jubilee Auditorium

RSVP to Colleen Sutherland, Office of the Registrar

201 Administration Building, by September 15, 1989

using the tear-off section below



University
of
Alberta

Installation Ceremony Reserved Seating

If you have not returned a previous attendance form and you plan to attend the Installation Ceremony, please complete and return this section to Colleen Sutherland in the Office of the Registrar by September 15, 1989.

NOTE: Please call Colleen Sutherland at 492-1952 if you are an Academic staff member and wish to join the procession.

Please send me reserved seat tickets for the ceremony as follows:

☐ One ticket for myself ☐ Two tickets for myself and guest

NAME

ADDRESS

CAMPUS TELEPHONE

Shin sees brighter future for Korea

The process of political reform in Third World countries is not an easy task, but average Koreans would never have been able to foresee the events of the last two years, a prominent Korean professor says.

Speaking at the third annual Canada-Korea Conference titled Challenges of the 1990s, held 28 to 30 August, Yonsei University Political Scientist Myungsoon Shin said there are still concerns about national security laws, "but in general the changes have been significant and I'm very optimistic."

Dr Shin pointed to the recent peaceful transfer of power, the inability of the ruling party to dominate the National Assembly, government revision of undemocratic laws and the reform of the ruling party as signs of substantive political reform taking place in South Korea.

Dr Shin said it's a good possibility that opposition groups such as workers, intellectuals,

farmers and students will form political parties. "This means they will use the institutional framework and not the streets," he said, adding that would likely result in fewer street demonstrations and less conflict and violence.

Session commentator Tom Keating (Political Science) said Canadians' knowledge of the process of political reform in Third World countries is "very, very meagre." But, he cautioned: "It's very important for the process of political reform to continue if relations between these countries and Canada are going to flourish."

"Because of the nature of Canadian political values and because of the potentially disruptive affect that impediments to political reform or potential repression are going to have on the continuation of good relations between these countries and Canada, it is imperative that the process of political reform continue." □

Davenport welcomes Korean visitors

"Knowledge and research do not respect international boundaries," President Paul Davenport said, in welcoming participants to the Third Canada-Korea Conference titled Challenges of the 1990s.

"We at the University of Alberta benefit enormously from our contacts with foreign academics," he said.

The President said although the U of A was well known as Canada's second largest university, it was less well known for its scholarly leadership in such areas as Asian studies.

"We in Alberta are especially proud of our rapidly growing economic ties with East Asia and we look forward to the continued growth of trade and tourism," he said.

Jim Horsman, Minister of Federal and Intergovernmental Affairs, took the opportunity to wish the

President well in carrying out his new responsibilities.

"This is our first opportunity in a formal way to wish you well as you carry out your responsibilities in a very challenging position here at the University," the minister said. "We look forward to your leadership here."

Funding agencies and hosts for the conference included: Government of Alberta; Edmonton Economic Development Authority; Office of the Associate Vice-President (International Affairs), University of Alberta; Department of External Affairs, Government of Canada; and the Korean Research Foundation, Seoul, Korea.

Brian Evans, Associate Vice-President (International Affairs), said the delegation from Korea was larger than ever before. □

Greenway wins fire management technical report competition

Ken Greenway, a fourth-year student in the forestry program, is the first prize-winner of the 1989 Wajax Fire Management Technical Report Competition. Greenway's winning submission, "The Use of Superabsorbents as a Firebreak in Forest Community Interfaces," discusses the feasibility of using a starch grafter, polyacrylonitrile copolymer (a superabsorbent compound), to alter the moisture status of fine fuels. This original idea was developed in

an attempt to indemnify high value-at-risk structures from wildfires while maintaining some degree of "naturalness."

He received the Herbert and Jeanette Hall Scholarship in 1987 and a Northlands Scholarship in 1988, for his outstanding academic performance while at the University of Alberta. Currently, Greenway is a NSERC undergraduate student research award recipient, and his pursuing his research interests under the guidance of Vic Lieffers. □



Ken Greenway receives his \$1,000 cheque from Bob Reid, Vice-President (Alberta), Wajax Industries Ltd.

Is a free trade pact in the offing for East Asia?

We've all heard about the European Economic Community and the recent free trade pact on this continent, but is another free trade pact in the offing in East Asia?

Addressing the Third Korea-Canada Conference, held 28 to 30 August, Yonsei University Economics Professor Young Sun Lee said Korea "is now being faced with various ideas of Pacific regional economic cooperation . . . forming the Pacific Free Trade Area may not be beneficial to Korea."

Dr Lee, in a paper entitled Changes in the Pacific Economic Relations and Regional Economic Cooperation: A Korean Perspective, said, "If Korea joins the free trade pact among the Pacific rim countries, we can get larger markets for manufactured products, for example, electronics, textiles and electric appliances."

"However, we will be forced to liberalize our agricultural and service markets, in which Korea has comparative disadvantage," he said. "Also, opening such markets will definitely cause some political difficulties in Korea."

It would be very hard for Korea

not to join a free trade pact if Japan, Taiwan, Hong Kong and Singapore did so, Dr Lee said. If Korea does not join the free trade pact, Korea could lose the large US markets, he argued.

Rather, Dr Lee said, "Through functional regional cooperation, Korea can pursue internationalization of its economy without much internal political conflict and drastic economic structural shocks."

Session commentator Juris Lejnieks (Political Science) said he agreed with Dr Lee's basic premise. He said a number of problems stand in the way of a free trade pact: the protectionist forces at work in the region; the lack of a cohesive centre to pull the various economies together; and the uncertainty of what role China would play. Dr Lejnieks said the EEC works, in part, because of the division of labor, but such a division of labor does not exist among the ASEAN countries, he argued.

Drs Lee and Lejnieks agreed that there is considerable opposition to the idea of a free trade pact among the ASEAN countries. □

Academic staff promotions effective 1 July 1989

Faculty of Agriculture and Forestry

Agricultural Engineering
JJ Feddes *Professor*
Animal Science
WC Sauer *Professor*
Food Science
P Sporns *Professor*
Soil Science
D Chanasyk *Professor*
Plant Science
PV Blenis *Associate Professor*
Rural Economy
WL Adamowicz *Associate Professor*
LF Constantino *Associate Professor*

Faculty of Arts

English
P Demers *Professor*
RE Jones *Associate Professor*
J MacIntyre *Professor*
IS MacLaren *Associate Professor*
S Stambaugh *Professor*
History
J Eagle *Professor*
JL Langdon *Associate Professor*
P Lawson *Associate Professor*
DJ Moss *Professor*
P Voisey *Associate Professor*
Philosophy
M Matthen *Professor*
Psychology
WF Epling *Professor*
C Hoffman *Associate Professor*
Romance Languages
LK Penrod *Professor*
AG Purdy *Professor*
Sociology
R Jung *Professor*
SA Kent *Associate Professor*
RA Morrow *Associate Professor*
WD Pierce *Professor*
Anthropology
GL Forth *Associate Professor*
East Asian Languages and Literatures
Y Chen *Associate Professor*
KS Kao *Associate Professor*
Political Science
TF Keating *Associate Professor*
Religious Studies
F Landy *Associate Professor*

Faculty of Business

Accounting
RA Denham *Professor*
J Newton *Professor*
Finance and Management Science
E Erkut *Associate Professor*

Faculty of Education

Educational Foundations
EB Tittley *Associate Professor*
FN Walker *Professor*
Educational Psychology
RH Frender *Associate Professor*
LM McDonald *Associate Professor*
Elementary Education
H Hayden *Associate Professor*
MF Juliebo *Associate Professor*

Faculty of Engineering

Electrical Engineering
JC Salmon *Associate Professor*
Mechanical Engineering
RL Varty *Associate Professor*
Mining, Metallurgical and Petroleum Engineering
DG Ivey *Associate Professor*

Faculty of Law

AA McLellan *Professor*

Library

M Beristain *Librarian 2*
J Green *Librarian 3*
E Howe *Librarian 3*
M Jamieson *Librarian 3*
SF Moysa *Librarian 3*
F Russell *Librarian 3*
S Shores *Librarian 2*

Faculty of Medicine

Biochemistry
RC Bleackley *Professor*
DG McFadden *Professor*
WJ Schneider *Professor*
Family Medicine
JV Mackel *Professor*
Medicine
T Kovithavongs *Professor*
JK Preiksaitis *Associate Professor*
EA Ryan *Associate Professor*
Pathology
LD Jewell *Professor*
Pediatrics
JY Coe *Associate Professor*
P Ferriera *Associate Professor*
C Lord *Professor*
J Van Aerde *Associate Professor*
Family Medicine
R Brownoff *Associate Professor*
EH Krikke *Associate Professor*
Medical Microbiology and Infectious Diseases
MS Peppler *Associate Professor*
Pharmacology
A Yeung-Laiwah *Associate Professor*
Psychiatry
AJ Greenshaw *Associate Professor*
Surgery
GL Warnock *Associate Professor*
Pathology - MLS
PL Letendre *Assistant Professor*

Faculty of Nursing

TMA Davis *Professor*
RA Day *Professor*
S Richardson *Associate Professor*
DL Skillen *Associate Professor*

Faculty of Pharmacy and Pharmaceutical Sciences

F Jamali *Professor*

Faculty of Physical Education and Recreation

Physical Education and Sport Studies
T Slack *Professor*
Recreation and Leisure Studies
DJ Whitson *Associate Professor*

Faculty of Rehabilitation Medicine

Occupational Therapy
G Gilewich *Associate Professor*

Faculté Saint-Jean

L Godbout *Professor*

Faculty of Science

Botany
RA Stockey *Professor*
Chemistry
M Keil *Associate Professor*
G Kotovych *Professor*

Genetics
JB Bell *Professor*
Geography
EL Jackson *Professor*
Geology
P Erdmer *Associate Professor*
BE Nesbitt *Professor*
Microbiology
KL Roy *Professor*

Zoology
NE Stacey *Professor*
Computing Science
MT Ozsu *Associate Professor*
J Schaeffer *Associate Professor*
Physics
BA Campbell *Associate Professor*
Zoology
WM Tonn *Associate Professor*

Professoriate can purchase own robes

The installation of Paul Davenport as President of the University of Alberta will take place Wednesday, 11 October, 8:30 pm, in the Jubilee Auditorium.

Harcourts Ltd in Toronto has academic attire specifications for most North American and European universities. All of which is to say that academic staff who would like to buy their own robes for the installation (and future convocations) have the opportunity

to do so.

A complete PhD costume (gown, hood and mortarboard) costs approximately \$500; the cost of academic dress can be claimed against one's professional expense allowance.

Order forms for University of Alberta robes can be obtained by telephoning the Convocation Coordinator, Lorna Arndt, at 492-2376. □

Applications for study leave

Academic staff members are reminded that, in accordance with the Faculty Agreement, applications for 1990-91 study leave should be submitted, through

Department Chairs to Deans, no later than 15 October 1989. Application forms are available in Faculty offices or from the Office of the Vice-President (Academic). □

'Reunion Weekend '89'

Formerly known as Homecoming, "Reunion Weekend '89" is one of the main events hosted by the Alumni Office. Slated for 21 to 24 September, the weekend offers grads a host of activities planned to reacquaint them with former classmates and the campus.

All alumni are welcome to attend the annual general meeting, but please pre-register, from 5:30 to 7 pm, on Thursday, 21 September. Events begin to roll on Friday with a drop-in in Athabasca Hall's Heritage Lounge from noon till 3 pm. Evening receptions include one for grads from 1924 to 1959 and another for alumni who graduated from 1960 onwards.

Saturday's activities include campus and Hospitals tours, an open house in Pembina Hall and the weekend's highlight — the gala dinner and dance. President and Mrs Davenport will host grads

from 1924 (Diamond) and 1939 (Gold) at the President's Brunch on Sunday morning while other alumni are encouraged to plan special functions with their classmates to round out the weekend celebrations.

For more information on "Reunion Weekend '89", please call Alumni Affairs, 492-3224. □

Thank you, donors

Public Affairs staff would like to extend sincere thanks to all those people who recently made donations to assist with *Folio* mailing costs.

Your support is greatly appreciated and we hope you continue to enjoy receiving *Folio*.

Computation vs intelligence: battle royal brewing

The round of congratulations over, it's back to research for the firm of Schaeffer, Culberson, Szafron and Treloar.

After painstakingly programming a computer to play checkers, the foursome won a gold medal at the Computer Olympiad in London, England, 9 to 15 August. Their record of four wins, no losses and one tie gave them the world computer checkers championship. (The Olympiad also featured chess, bridge, scrabble, backgammon, dominoes and other games.)

"We won the four games very handily; I'm still upset about that draw," says Professor Schaeffer, of the Department of Computing

Science, who represented the group in London. (Culberson and Szafron are also with the department; Treloar is an astrophysicist in Vancouver and the lone checkers player in the group.)

Professor Schaeffer and his colleagues devised many kinds of checkers strategy in advance, put everything on tape and got the desired result in London—one right move after the other. "Ninety percent of the work was done in the last two months before the tournament; I went along as the babysitter," Professor Schaeffer says.

What they want to do next year

is defend their title against the human world champion. (Their computer champ did play three "casual" games against a former world champion and caused that individual to shriek "Cursor, foiled again!" at the end of each game.)

"The human checkers players were very impressed; our program took them by surprise," Professor Schaeffer told *Folio*.

The consensus of those at the Computer Olympiad was that the winning program is at the master's level (the checkers rankings are: expert, master and grand master). Professor Schaeffer and company will be working to raise it to grand master calibre because that, of

course, is the level at which the world champion plays. "We can't play the whole game perfectly, but we can play large portions of it perfectly. The objective is to increase the base of perfect play."

As another facet of their research, they would like to find out whether checkers is a determinable game. Tick-tack-toe, they explain, will always end in a draw if played correctly. What about checkers, a game with simple rules but one that, Professor Schaeffer believes, is more complex than people imagine? "The smart money is on draw," he says. □

Genetics Society of Canada honors Kuspira

John Kuspira (Genetics) is this year's recipient of the Genetics Society of Canada's Award of Excellence.

The award is given to recognize excellent contributions to the science through research and/or teaching.

Dr Kuspira's research contributions have been primarily in genetics and cytogenetics of common wheat, *Triticum aestivum*, and one of its progenitors, *T. monococcum*. His work on the use of chromosome substitution lines in cytogenetics analysis was the forerunner of all such work since 1957, and is internationally recognized. Work on substitution lines is still actively pursued in many laboratories around the world.

Since 1981, Dr Kuspira has been involved in the cytogenetic characterization of the A genome in *T. monococcum*, and in determining the source of the B genome in polyploid wheats. His papers on the cytogenetics of autotetraploids and autotriploids have been well received internationally, and cited many times.

In 1981 Dr Kuspira received a teaching award from the Faculty of Science, and in 1982 he was the recipient of the Rutherford Award. In 1988 he was awarded the 3M Teaching Fellowship, a national teaching award (he was selected from 113 nominees). Also in 1988, he was the key speaker at a workshop on teaching and

curricula in contemporary genetics, at the International Congress in Toronto. It is probably safe to say that he is largely responsible for making genetics such a popular (1,200 students) introductory course at the University of Alberta.

Out of his teaching came a book *Genetics Questions and Problems* (coauthor: G Walker). This text has been used all over the world, and has been dubbed "probably the greatest aid to teaching genetics ever published". The book has

been instrumental in the shaping of the problem-solving attitude towards genetics teaching that is universally adopted by professors.

Dr Kuspira accepted the award at the GSC annual meeting in Calgary. □

The long-term benefits of forest fires

Setting fire to the forest

Periodic burning does much more than reduce fire hazard in a forest, says a University of Alberta anthropologist. Setting fire to the forest is, in fact, a sophisticated form of resource management, Henry Lewis declares. It's long been a practice of indigenous peoples around the world but it's only now being understood by ecologists.

Native Canadians used light spring burning with precise timing. Rather than being destructive, it promoted early and abundant plant growth, replenishing animal feeding grounds and improving hunting and trapping.

Comparing fire technology and resource management among native groups in northwestern Alberta, the northwestern United States and much of Australia,

Professor Lewis has found striking similarities in the use of fire. (In terms of seasonality, frequency and intensity, the usages are all quite different from natural fire patterns.)

The pattern of similarities appears "in totally unrelated people and totally unrelated circumstances," Lewis says. Such consistency offers a form of scientific replication and provides further evidence that controlled burning is a valuable resource management tool, he points out.

Grasslands in northern Alberta that white homesteaders assumed to be part of the virgin wilderness, had in fact been fire-managed for hundreds, probably thousands, of years. When burning was outlawed early this century, areas in northern Alberta that once were a

complex mix of forest types became dominated by brush and trees.

Government agencies are now using controlled burning to ease fire hazards. Lewis would like to see burning reinstated in park and wilderness areas under joint management by natives and park rangers, as has been done in some Australian national parks.

Professor Lewis's work has been supported by the Social Science and Humanities Research Council, the National Museum of Civilization, the President's Humanities Research Fund, University of Alberta, the Boreal Institute for Northern Studies, and the Australian Institute for Aboriginal Studies.* □

*Reprinted from Research Report, published quarterly by the University's Office of Public Affairs.

Sacrifice sovereignty for the common good, Roche says

An opportunity now exists for the establishment of a system to manage planetary relations, says Canada's former Ambassador for Disarmament.

Speaking on disarmament and security issues at the Third Canada-Korea Conference, Doug Roche said, "There is now coming into focus a recognition that the integrity of human relationships must now be pragmatically acted

upon, given the technological realities of the world and how dangerous the place has become."

The former MP said this may mean nation states must relinquish sovereignty over key areas. "This is certainly a surrender of a certain amount of sovereignty, but it will have to be done in the interests of the common good, common survival and common security."

He said nation states must accept

the global strategies outlined by recent commissions to ensure that disarmament, development and environmental protection become "pillars for the building up of a structured world in which, let's say, the UN Security Council would have a greater impact."

Roche called on nation states to agree to establish an "environmental agency with the strength to enforce policies and programs to protect the environment." Furthermore, he said, nation states could agree to establish a "verification authority, one which nations would undertake to allow teams of inspectors to determine whether nations are making chemical or nuclear weapons."

In a broad-ranging speech focusing on the events in the Soviet Union and the relaxation of East-West tensions, Roche said "it's much too early to break out the champagne yet," but Western nations are increasingly recognizing the need for stability in the Soviet Union and the need to advance the



Doug Roche, former Canadian Ambassador for Disarmament.

cause of *Perestroika*.

Although there have been some important proposals from the West, he said, "the principle initiatives, of late, have come from Moscow, not Washington." □

CURRENTS



Campus reviews

As part of the process of carrying out systematic reviews under the guidance of the President's Advisory Committee on Campus Reviews (PACCR), the Faculty of Library and Information Studies is completing the self-study phase of the review process. The other major phase of the process is the site visit and assessment by the Unit Review Committee on 2, 3 and 4 October.

In preparation for this second phase, PACCR invites written comment prior to 29 September. Submissions are for the use of the Unit Review Committee and will be held in confidence by the members of that committee.

Submissions should be sent to: Mrs Shirley Moore, Coordinator, PACCR Office, W4-13 Chemistry Building, Attention: The Library and Information Studies Unit Review Committee.

Change of TV equipment delivery policy

Starting 1 September, the booking of television equipment will be as follows: TV monitors, half-inch VHS video players and three-quarter inch Umatic video players: contact Audio Visual Services, L2-6 Humanities Centre, 492-0173.

TV Camera systems, projection TV units and LCD panels for overhead computer use: contact Television Services, CW005 Biological Sciences Building, 492-4962.

The user is responsible for shipping arrangements.

Dine with the President

President Paul Davenport will be the guest of the United Church Campus

Ministry at a dinner (11 September) at St Stephens College. Meal time is 5:30 pm. United Church Worship takes place Tuesdays at 8:15 am in St Stephens College Lounge.

Boreal Institute for Northern Studies schedules open house

The Boreal Institute for Northern Studies will hold an open house Friday, 22 September. The location is the main foyer, Biological Sciences Building; the time is 9 am to 3:30 pm. Research displays, handouts, book and publications will be prominent. Everyone welcome.

Autumn brings Garden Crafters' Flower Fair

The Devonian Botanic Garden Crafters' Association will hold its 1989 Autumn Flower Fair on 23 and 24 September, noon to 4 pm each day. Admission is free. The association, which is the fundraising arm of the Friends of the Botanic Garden, will be selling hand-crafted gift items, floral arrangements, potpourri, home-made gift soaps, craft supplies, gardening and craft books and many other items.

Door prizes will be awarded and there will be treasure hunts for children and (on Sunday only) free horse-drawn hay rides.

Catch up on Soviet news

The Department of Slavic and East European Studies invites all interested persons on campus to watch the Soviet Union evening news program "Vremia" (Monday through Friday between 11 am and noon). The broadcast can be seen in 4-36 Arts. It is all in Russian - no translation service is provided.

Michener Day Care requires volunteers

The Michener Park Education Society Day Care needs volunteer board members. The Society is particularly interested in people with experience in the areas of finance (bookkeeping, accounting), fundraising, child development and children's health and nutrition.

The society is a non-profit agency with an annual budget of \$200,000. To volunteer, call 434-8407.

The Society's annual general meeting will be held Thursday, 21 September, 7 to 9 pm, at 104-2 Michener Park (Galbraith House), 122 Street and 51 Avenue.

ACTIVITIES

At the 1989 American Psychological Association meeting held in New Orleans (11 to 15 August), JP Das (Educational Psychology) organized and chaired a symposium on intelligence. He also gave an invited address in a special session of the Division of Educational Psychology titled "A System of Cognitive Assessment and its Application" . . . David W Schindler (Killam Professor of Zoology and Botany) is the latest recipient of the prestigious Naumann - Thienemann Medal, which is awarded every three years by the International Association of Theoretical and Applied Limnology (SIL). The award was announced at the recent 24th congress in Munich . . . Michael Owen will be working in the Office of Research Services from 5 September to 29 December. Currently on a research and study leave from Athabasca University (he's a research officer there), Dr Owen's duties link him with the Faculties of Arts and Education . . . Juan A Comerma, National Coordinator of Soil Research, Ministry of Agriculture, Maracay, Venezuela, visited the Department of Soil Science on 21 and 22 August. He delivered a lecture on "Characteristics, problems and potential of cracking clay soils" and visited several local soil sites . . . Gerry Coen, Head of Agriculture Canada Soil Survey, also attended the Vertisol soil correlation meeting and field trip . . . NR Morgenstern (University Professor of Civil Engineering) was elected President of the International Society for Soil Mechanics and Foundation Engineering (ISSMFE) on the occasion of the 12th International Conference held recently in Rio de Janeiro. Professor Morgenstern is the first Canadian to hold this position. ISSMFE has close to 20,000 members in 60 national societies. It is one of the senior engineering societies in the world and has served its members continuously since 1936.

Sunrise Project changing Northerners' lives

Connie Twin's about to make the big leap.

With a number of university courses under her belt at the Sunrise Project in Slave Lake, she and her four-year-old daughter Jody will be moving to Edmonton for the upcoming academic year.

The treaty Indian says she's a little apprehensive about leaving her community to continue her course work at the University. The Native Studies student's husband, Ed, will continue to drive truck in Slave Lake, but he too is thinking of making the move to the city.

As well as the strong support she's received from her husband, Twin says the Project staff members have been very supportive and have helped to allay her fears.

The Project was initiated jointly by Slave Lake residents and the Special Sessions Office in 1983; its purpose is to offer university courses to residents who wish to remain close to their families. The core courses offered by the U of A and Athabasca University provide the basis on which the students can continue their studies at University.

Twin says, "The program really gives you a chance to sit down and think about yourself and where you're going."

Second year student Susanne Plante says the program is fantastic. Plante, who farms land in the Kinuso area with her husband and three children, says although it took her a few months to get back into the swing of things after being away from school for 14 years, she wouldn't have been able to do it without the program.

Plante says the program suits her needs, given her family responsibilities. She'll be coming to campus next year and hopes to attend classes four days a week, while her husband takes care of their children.

Outgoing counsellor David O'Leary says his university education experiences pale in comparison to some of the experiences of Sunrise students. "When you are raising three kids on your own," he told this year's graduating class, "the going is tough when you have to leave your family and travel to a place where you do not know anyone."

Lloyd Carswell of the Special Sessions Office says, "You have to

admire the students' gumption and stamina to achieve what they do. He notes that many of the students first have to upgrade their skills, since many of the students don't have their matriculation.

"What impresses me is the number of students who come out of that region," he says, adding that the program builds self-esteem, confidence and a belief in the ability to succeed.

The project grew out of discussions at the community level and in August 1982 a local group contacted the University to explore the possibility of improving educational opportunities in the area. Initially, the discussions focussed on a BEd program, but eventually it was decided that the project would offer a "generic" first and second year program, so students would be able to pursue a number of different scholastic avenues.

Carswell says the strength and continuing success of the project is really predicated on the level of community support for the project. So while the University pays instructors honoraria and travel costs, the community assumes the classroom and support services costs. That arrangement gives the people involved with the program a real stake in the project, now overseen by the Sunrise Higher Education Society.

Moreover, the individuals involved with the project have contributed a great deal to the success of the project. People like tutor Lind Simpson and past coordinators Denise Dupres and Darlene Lamouche and present coordinator Ruth Hunter "have really made the program what it is today," says Carswell.

O'Leary says, "As teachers we sometimes get caught in the trap of focusing only on teaching the skills necessary to get things right. We would be wise to take time to help the student remove those things which impede his or her desire."

Originally, the project recruitment centred on natives, but, according to Carswell, "more and more non-native people are involving themselves in the Sunrise Project." Classes are predominately female; Carswell attributes that to the fact that "the range of jobs open to men is better than for women." He adds, "When a person goes back to school, he sets

himself up for failure . . . and men are more reluctant to risk that."

This year four students who began their studies with the project convocated: Madeline McVey, BEd, University of Western Ontario; Helen Giroux, BA, Athabasca University; Sonja Willier, BEd, University of Alberta; and Lucille Maddex, BA, University of Alberta.

"The whole intent is to prepare them for university; where they go is up to them," Carswell says.

The number of students who convocated this year is a smaller number than the previous year's all-time high of 15 who convocated. In September, eight students are expected to transfer to the University campus to continue their studies.

Program Coordinator Ruth Hunter said the program will be sending six students to campus this year. She said, "The city is so much larger and it's a whole new experience for them."

The success of this type of off-campus credit program is now being duplicated in at least three other locations. In Spruce Grove the Yellowhead Tribal Council offers U of A courses and in St Paul the Blue Quills First Nations College provides a similar arrangement. In Yellowknife Athabasca University has teamed up with Arctic College to offer a first-year university program; the U of A is involved in an advisory capacity. □

Diligence in Women's Studies pays off

Peggy Kemp displays the first Academic Women's Association Scholarship in Women's Studies. The \$500 award was funded by members of the AWA to recognize the academic achievements of students in the new Women's Studies Program in the Faculty of Arts. The award will be presented annually to a senior level student specializing in Women's Studies.

Kemp received her award at a luncheon attended by Winnie Tomm, Women's Studies Program Coordinator, Lynn Penrod, Associate Dean of Arts, and Bonnie Afanasiff, Past President of the AWA. □



University Professorships

The Selection Committee for University Professors will be considering nominees later in the fall. This title honors professors whose academic, professional and community contributions have been exceptionally meritorious.

Nominations should be submitted to the Vice-President (Academic) by 31 October 1989. Copies of the criteria for University Professor nominations may be obtained from Ms Dorothy Gamble, Office of the Vice-President (Academic), 3-4 University Hall (492-3443).

Summer WISEST program actually a vocation planner

In mid-summer Sophia Khan, Heather Mychka and 34 other grade 11 students from Edmonton and environs were far from the madding crowd.

Khan, from Harry Ainlay, could be found checking the water strider bins in one of the Entomology Department's laboratories.

Upstairs, Victoria Composite student Mychka found out what pinning beetles for the department's collections is like.

Khan, Mychka and their peers were here for the Women in Scholarship, Engineering, Science and Technology (WISEST) course, 4 July to 11 August.

"I had a lot of misconceptions about entomology, until I got into the field," says Khan. "It was a pleasant surprise," she says about her experiences this summer working in the department laboratory.

Mychka's experiences have also been positive. "I'm no longer afraid of insects and, in fact, I find them quite interesting," she says, articulating one of the goals of the WISEST program.

Program coordinator Furugh Ardakani says, "The objective of the program is really to let the students gain some knowledge as to what's involved in the sciences, because they usually have some pre-misconceptions that either they're difficult fields, or they can't cope in those fields. So these six weeks give them first-hand experience."

The program, now in its sixth year, is designed to give students a broader view of the possible areas of study, particularly in non-traditional fields. The students work in research environments, meet men and women in



Sophia Khan, a Harry Ainlay High School student, now knows her way around an entomology laboratory.

non-traditional fields, talk to career counsellors and tour University facilities.

This year, 32 girls were assigned to Chemistry, Computing Science, Food Science, Entomology, Immunology, Botany, Zoology, Microbiology, Mechanical, Electrical and Agricultural Engineering and Mining, Metallurgical and Petroleum Engineering. Four boys were placed in Nursing and Clothing and Textiles.

The students got together recently to share their experiences and in Ardakani's words, "It was very exciting to listen to them, so if

they go back to their schools and relate the same sorts of things to their friends, to tell them what they've done, all the excitement that's involved in doing research and so forth, then I think the objectives of the program are achieved."

However, much more needs to be done, says the program coordinator. "Generally, at the University things have improved," she says, noting that there have been improvements in zoology, botany and engineering. "Again, at the graduate level, we're still lagging behind," she believes.

Based on what WISEST participants are saying, there is still a lot more work at the high school level that needs to be done, she says, adding that students need more information about the possibilities open to them and encouragement to pursue studies in non-traditional areas. Ardakani says attitudes of peers, within families and in the schools, have to change.

She says although programs such as WISEST are very useful, they need to be expanded to have a greater impact. This year's program was the largest ever, with an increase of 10 participants over last year. Sixty-six applications were received.

(The program sends out information packages to Edmonton and surrounding community high schools along with application forms.)

But is the program working? Are program participants pursuing studies in these non-traditional areas? Ardakani says they are. Two years ago, the program studied past participants' endeavors.

"The result was that a good number of them, a majority of them, did go into sciences, although perhaps not into the specific fields that they were working in," she says.

Finally, as an indication of the impact the program is having on grade 11 students, participant Huong Nguyen says her experience this year in the Department of Chemistry has forced her to reconsider a career as a pharmacist for one in chemistry. And, she says, "I think the program is great; they should let grade 12s do it too, so I can do it again!" □

Leaders in the field of gifted education to lecture; series begins 13 September

An evening lecture series of six renowned leaders in the field of gifted education will be held on campus beginning this month.

The Alberta Colloquium on Giftedness is being offered at the Universities of Calgary, Alberta and Lethbridge by the U of C's Centre for Gifted Education.

The lecture series includes: 13 September, Sylvia Rimm,

Educational Assessment Service Inc, Waterton, Wisconsin, will speak on Underachievement Syndrome: Causes, Preventions and Cures; 27 September, Sandra Kaplan, National/State Leadership Training Institute on the Gifted and Talented, Los Angeles, will discuss Differentiating Curriculum; 11 October, David Feldman, Tufts University, Medford, Mass., will

speak on Why Children Can't Be Creative; 25 October, Daniel Keating, The Ontario Institute for Studies in Education, will discuss Curriculum Options for the Developmentally Advanced: A Developmental Alternative to Gifted Education; 8 November, Nicholas Colangelo, University of Iowa, will discuss Psychological Development of Gifted Youngsters;

and 22 November, Bruce Shore, McGill Giftedness Centre, will discuss Building a Solid Professional Knowledge Base.

All sessions will take place in 2-115 Education North and begin at 7 pm. More information on registration can be obtained from Carolyn Yewchuk (Educational Psychology), 492-1154. □

Stewart Graduate Prize recognizes high standards

One of the legacies of Myer Horowitz's presidency is the Andrew Stewart Graduate Prize. Now four years old, the prize is awarded in direct recognition of excellence in research at the PhD level. Twenty full-time PhD candidates who have completed at least two years of their program and are immersed in thesis research recently accepted their awards at a formal dinner.

The Andrew Stewart Graduate Prize recipients for 1989 are:

- James Donald Baleja is a graduate of the University of Manitoba. He began PhD studies in biochemistry here in 1984; his thesis topic is "The Interaction of Cro Repressor with DNA."
- Patricia Bayne earned both her bachelor's and master's degrees at the University of Alberta. She is completing the second year of her PhD program (thesis topic: "Urban Land Use Planning.")
- Brian Brown, a Torontonian by birth, studied at the University of Guelph. He was admitted into the PhD program (Entomology) at the University of Alberta in 1986. His thesis topic is "Generic Revision of North American Phoridae."
- Dogoni Cisse earned a diploma in educational psychology in the Republic of Mali before transferring to the University of Western Illinois in 1983. It was then on to the U of A when he is completing his thesis "Knowledge of Part-Whole Relationships and the Development of Children's Problem-Solving Skill in Mathematics."
- Judith Fisher is completing the fourth year of her PhD program. She took both her bachelor's (1983) and master's (1985) degrees here. "The Player Character on the English Stage" is her thesis topic.
- Masayuki Fujita's 1986 entry to the PhD program here was preceded by studies at Osaka University. His thesis topic is "Studies of Laser Plasma Interaction."
- Shirley-Anne Hensch has been studying psychology for the last two years (thesis topic: Evaluation of Cognitive Models of Choice Behavior). A resident of Alberta, she completed both her bachelor's and master's degrees at the U of A.
- Jon Johansson who was born in Voxjo, Sweden, decided in his youth that, for him, the institution

of higher learning is the University of Alberta. After earning bachelor's and master's degrees here, he continued on to the PhD level and has just finished the third year of his program in physics. His thesis topic is "Role of the Delta Resonance in a Relativistic Treatment of Nuclear Reactions."

- Jean Lacoursière left Université du Québec à Trois-Rivières with bachelor's and master's degree and registered at the U of A five years ago. "Behavioral Hydrodynamics of Black-fly Larvae (Diptera: Simuliidae)" is his thesis topic.
- Patricia Lane-Bell received her bachelor's degree here in 1985 and proceeded directly into her PhD program and is completing her fourth year. Her chosen discipline is chemistry; her thesis topic is "Development of Broad-spectrum Antibiotics Effective Against Organisms Resistant to Standard (Tetracycline and Beta Lactum.)"
- Carleton Leggo holds two bachelor's degrees from Memorial University and two master's degrees from the University of New Brunswick. Transferring to the University of Alberta, he has just completed the second year of his PhD program in the Department of Secondary Education. His thesis topic is "Symphony or Cacophony: Voice(s) in Writing."
- Christopher Lewis is at work on "A Psychosocial Profile of Contemporary Adolescent Anxiety." A native of Brantford, Ontario, he fulfilled the bachelor's and master's degree requirements at the U of A in 1984 and 1987, respectively.
- Christine Moreau was born in Winnipeg and completed both her bachelor's (1985) and master's (1987) degrees at the University of Manitoba. She has completed two years of her PhD program in English (thesis topic: "Madness in Victorian Literature").
- Rosalind Morgan took her undergraduate degree in 1956 at the University of Saskatchewan. In 1978, she completed her master's degree at the University of Regina. At the U of A, she is an anthropology student in the third year of her PhD program. Her thesis topic is "The Beaver: Sacred Cow of the Northern Plains."
- John Neary is enrolled in the Department of Physical Education and Sport Studies. The native of McClelland, Alberta, is about to move into the third year of his PhD program. Neary previously studied at the University of Victoria.
- Brittan Pasloske completed his bachelor's degree at the University of Saskatchewan in 1983 and moved directly into his PhD program in biochemistry. His thesis revolves around "Molecular Studies of the Chromosomally Encoded Pili of *Pseudomonas Aeruginosa*."
- Natarajan Sivakumar was born in Tumilnadu State, India, and received his bachelor's degree from Vivekananda College in Madras in 1981. He began his master's program that same year at the Indian Institute of Technology and completed it in 1983. Sivakumar undertook PhD studies (mathematics) at the University of Alberta the following year. His thesis topic is "Approximation Theory of Multivariate Splines."
- Robin Turner was born in Edmonton, and received both his bachelor's (1981) and master's (1984) degrees from the U of A. He is completing the fifth year of the PhD program; his thesis topic is "An Implantable Glucose Sensor for the Artificial B-Cell."
- Dale Wrubleski knows something of Western Canadian universities having taken his bachelor's degree at the University of Regina (1978), his master's at the University of Manitoba (1984), and spent six years in PhD studies at the U of A. A student of entomology, Wrubleski's thesis topic is "Chironomidae (Diptera) Community Development Following Experimental Manipulations of Vegetation and Water Levels."
- Guoyao Wu, was born in Guandong, China, and received his bachelor's degree from South China Agricultural University. He started his master's degree at Beijing Agricultural University in 1982 and completed it after arriving in Canada in 1986. He is finishing up the second year of PhD studies in the Department of Animal Science (thesis topic: "Protein and Amino Acid Metabolism in Muscle").□

EVENTS



Talks

Physics

8 September, 2 pm J Stephenson, "Order Out of Chaos." V-121 Physics Building.

Slavic and East European Studies

8 September, 3 pm Deming Brown, University of Michigan, "Recent Developments in Soviet Literature." Senate Chamber, Arts Building.

Educational Psychology, Family Studies and the Centre for Research in Child Development

11 September, 2 pm Gerald Adams, director, Laboratory for Research on Adolescence, Utah State University, "Identity Development in Adolescence." 4-110c Education North Building.

Alberta Heritage Foundation for Medical Research

11 September, 4 pm Malcolm S Brodwick, associate professor, Department of Physiology and Biophysics, University of Texas, Medical Branch at Galveston, "Mast Cell Granules and Exocytosis." 5-10 Medical Sciences Building.
12 September, 4 pm John Rossi, associate chairman, Division of Biology, Beckman Research Institute of the City of Hope, Duarte, California, "Catalytic RNAs with Substrate Specificity for HIV-I: Potential Agents for Establishing Intracellular Immunity." 5-10 Medical Sciences Building.
19 September, 4 pm Wanjin Hong, postdoctoral fellow, Department of Biological Sciences, SUNY at Buffalo, Buffalo, NY, "Molecular Cell Biology of Plasma Membrane." 5-10 Medical Sciences Building. All lectures presented by Anatomy and Cell Biology.

Comparative Literature

12 September, 3:30 pm Gideon Toury, Porter Institute, Tel Aviv University, "'Lower Paradise' in a Cross-road: A Hebrew Translation of a German *Schlaraffenland* Text via a Russian Model." 326 Arts Building.
19 September, 3:30 pm Professor Toury, "The Coupled Pair of 'Solution and Problem' as a Unit of Contrastive Analysis of Target vs Source Text." 326 Arts Building.
26 September, 3:30 pm Professor Toury, "Experimentation in Translation:"

Prospects and Some Pitfalls.”
326 Arts Building.

Techniques in Cell and Molecular Biology Seminar Series

13 September, noon Richard Smith,
“Introduction to Light Microscopy and
Differential Interference Microscopy.”
6-28 Medical Sciences Building.
Presented by Anatomy and Cell Biology.

Canadian Mediterranean Institute

14 September, 7:30 pm Helen Buck,
“Recent Excavations Undertaken by a
Team from the University of Alberta at
Gravina in South Italy.” Provincial
Museum.

Slavic and East European Studies, Comparative Literature and English

15 September, 3 pm Caryl Emerson,
Department of Slavic Languages and
Literatures, Princeton University,
“Rethinking Bakhtin.” Senate Chamber,
Arts Building.

Romance Languages

18 September, 3:30 pm Louis van Delft,
Université de Paris X, “Le Métier de
Molière.” 141 Arts Building.
19 September, 2 pm Professor van Delft,
“L'Ecole des femmes de Molière.”
141 Arts Building.

Zoology

21 September, 12:30 pm John Janssen,
associate professor, Department of
Biology, Loyola University of Chicago,
“Food Vibrations: Mechanosense and
Fish Feeding.” M-149 Biological Sciences
Centre.
22 September, 3:30 pm Dr Janssen,
“Bluewater/Blackwater: A Look at
Mesopelagic Biology.” M-149 Biological
Sciences Building.

The Arts Exhibitions

Bruce Peel Special Collections Library

Until 15 September “Texts and Textures:
Printing, Illustrations and Artists’
Books.” Hours: 8:30 am to 4:30 pm,
Monday to Friday. Closed Saturday and
Sunday. B-7 Rutherford South.

McMullen Gallery

Until 21 October “The Sky’s the Limit.”
1G1.08 Mackenzie Health Sciences
Centre. 492-4211.

Myer Horowitz Theatre

9 September, 7 pm Pakistan Students’
Association and Pakistan Association of
Alberta Edmonton presents
“International Gala.” Tickets: \$5.
Information: 439-1413, 475-3122,
489-7960.
13 September, 6 pm The Canadian
Disabled Publishing Association presents
“A Family Variety Show.” Tickets: \$6.

Sports

Football

10 September, 1:30 pm Golden Bears vs
Manitoba.
16 September, 1 pm Golden Bears vs
Saskatchewan.

Award opportunities

The Hu Harries Memorial Award

Field of study: open. *Number:* one. *Value:*
approximately \$1,000. *Conditions:*
Awarded annually to an employee or
volunteer of the YMCA, YWCA (or
similar institution), who entered their
first year of studies in September 1989,
at the University of Alberta. Based on
academic promise, leadership qualities,
and social conscience. Recipients must
be Canadian citizens or permanent
residents. Financial need may be
considered. *Donor:* Endowed by friends
and family of the late Hu Harries, first
Dean of Commerce at the University of
Alberta. *Apply to:* Office of Student
Awards, 252 Athabasca Hall, University
of Alberta, Edmonton, Alberta T6G 2E8,
or Mr Wiley Stafford, YMCA,
10030 102 A Avenue, Edmonton, Alberta
T5J 0G5 *Deadline:* 1 October 1989.

Positions

*The University of Alberta is committed to the
principle of equity in employment.*

*In accordance with Canadian Immigration
requirements, these advertisements are
directed to Canadian citizens and permanent
residents.*

Academic

Chair, Department of Secondary Education

The Faculty of Education invites
nominations and applications for the
position of Chair of the Department of
Secondary Education. The department
consists of 23 regular faculty members.
This department’s graduate program
serves approximately 61 resident MEd
and PhD students. It also maintains a
heavy involvement in the Faculty’s
undergraduate program.

The successful candidate for Chair
should have an outstanding research
record and possess excellent leadership
qualities. Applications (including a
curriculum vitae and names of three
referees) and nominations should be
submitted by 15 October 1989 to: Dr RS
Patterson, Dean, Faculty of Education,
University of Alberta, 845 Education
South, Edmonton, Alberta T6G 2G5. The
incumbent Chair will be an applicant for
the position.

The appointment will take effect 1 July
1990. The salary will be at the Full
Professor rank (currently the minimum
for this rank is \$55,051 per annum). The
University will try to facilitate spousal
employment within the limits of current
Canada Employment and Immigration
requirements.

Office Manager, Pension and Benefits Administration

Reporting to the Director, Pension and
Benefits Administration, the Office
Manager is responsible for managing an
office which administers the pension
and benefits plans for all University of
Alberta academic and support staff. This
is a challenging position which requires
a combination of office management
skills and technical knowledge related to
the administration of pension plans as
well as a full range of group insurance
plans.

The Office Manager supervises a team
of pension and benefits administration
specialists who provide information and
assistance to University employees
regarding the various plans.

Duties include:
- coordinating the strategic planning
process for the department;
- departmental personnel administration,
including recruitment, training and
supervision of general office staff;
- developing policies, procedures and
service standards within the office and
ensuring adherence to them;
- liaison with the Payroll and Personnel
Offices for planning and
problem-solving purposes;
- liaison with all levels of University staff
and administration as well as
consultants and insurance companies;
- serving as a member of a team in the
development of a computer-based
benefits administration system;
- assisting the Director in all aspects of
group plan administration (including
managing several self-insured plans and
committee work).

This position requires a person with
strong organizational skills and several
years of office management experience
in a group insurance environment.
Appropriate specialized training in
group insurance administration is
required. A university degree in
business administration is desirable.

The current salary range for this
position is \$29,550 to \$44,334. An
attractive benefits package is provided.

Applicants should apply in writing
(enclosing an up-to-date résumé) to: The
Director, Pension and Benefits
Administration, 302 Assiniboia Hall,
University of Alberta, Edmonton,
Alberta T6G 2E7, by 25 September 1989.

Support Staff

*To obtain further information on the
following positions, please contact Personnel
Services and Staff Relations, 2-40 Assiniboia
Hall, telephone 492-5201. Due to publication
lead time and the fact that positions are filled
on an ongoing basis, these vacancies cannot
be guaranteed beyond 1 September. For a
more up-to-date listing, please consult the
weekly Employment Opportunities Bulletin
and/or the postings in PSSR.
Positions available as of 1 September 1989.*

**The salary rates for the following
positions reflect adjustments in
accordance with the terms for the
implementation of the Pay Equity
Program.**

Library Clerk, Grade 2, Library,
(\$1,288-\$1,586)
Senior Financial Records Clerk, Grade 3,
Office of the Comptroller (Payroll),
(\$1,415-\$1,741)
Senior Financial Records Clerk, Grade 4,
Office of the Comptroller (Fees),
(\$1,542-\$1,900)

Library Clerk (Recurring term), Grade 4,
Faculté Saint-Jean, (\$1,351-\$1,900)
Clerk Typist, Grade 4, Housing and
Food Services, (\$1,542-\$1,900)
Clerk Typist, Grade 5, Student Awards,
(\$1,454-\$2,087)
Clerk Typist, Grade 5, Occupational
Therapy, (\$1,564-\$2,087)
Clerk Typist, Grade 5, Physical
Education and Sport Studies,
(\$1,564-\$2,087)
Clerk Steno, Grade 5, Food Science,
(\$1,564-\$2,087)
Programmable Typewriter Operator,
Grade 5, Zoology, (\$1,685-\$2,087)
Secretary, Grade 5, Alumni Affairs,
(\$1,685-\$2,087)
Secretary, Grade 5, Computing Science,
(\$1,685-\$2,087)
Secretary, Grade 5, Office of the Dean of
Education, (\$1,685-\$2,087)
Student Records Processing Clerk,
Grade 5, Faculty of Arts (Student
Programs Office), (\$1,685-\$2,087)
Administrative Clerk, Grade 5, Office of
the Registrar, (\$1,685-\$2,087)
Secretary, Grade 6, Pharmacology,
(\$1,806-\$2,298)
Food Service Assistant (25 hours/week,
Part-time, Recurring Term), Grade 1,
Housing and Food Services,
(\$851-\$1,050) (prorated)
Food Service Worker (25 hours/week,
Part-time, Recurring Term), Grade 2,
Housing and Food Services,
(\$878-\$1,133) (prorated)
Food Service Worker (30 hours/week,
Part-time, Recurring Term), Grade 2,
Housing and Food Services,
(\$1,053-\$1,360) (prorated)
Food Service Worker (40 hours/week,
Recurring Term), Grade 2, Housing
and Food Services, (\$1,404-\$1,813)
Technical Assistant (Seamstress), Grade
4, Drama, (\$1,542-\$1,900)
Computer Assistant, Grade 5, University
Computing Systems, (\$1,680-\$2,087)
Programmer Analyst, Grade 7,
University Computing Systems,
(\$2,008-\$2,516)
Farm Technician (40 hours/week), Grade
7, Soil Science, (\$2,295-\$2,876)
Engineering Technologist
(40 hours/week), Grade 7, Physical
Plant, (\$2,295-\$2,876)
Machinist Technician, Grade 9, Physics,
(\$2,346-\$2,976)
Administrative Assistant, Grade 9,
Comptroller’s Office, (\$2,321-\$2,976)
Administrative Assistant, Grade 9,
Extension, (\$2,321-\$2,976)

**The following positions retain salary
rates in accordance with the previous
classification system and pay plan.**

Clerk Steno II (Part-time, Trust),
Medicine (Endocrinology and
Metabolism), (\$8.41-\$9.69/hour)
Clerk Steno II (Trust), Electrical
Engineering, (\$1,276-\$1,584)
Clerk Steno III (Part-time, Trust),
Pediatrics, (\$711-\$893) (prorated)
Clerk Steno III (Part-time/Trust/Term for
a year), Continuing Pharmacy
Education, (\$1,096-\$1,377) (prorated)
Systems Control Clerk I (Term to
31 March 1990), Office of Alumni
Affairs/Development Office,
(\$1,469-\$1,863)
Systems Control Clerk I (Term to 1 May
1990), Printing Services,
(\$1,469-\$1,863)
Accounts Clerk (Part-time, Trust, Term
to 28 February 1990), National Screen
Institute, (\$792-\$1,012) (prorated)
Medical Steno (Trust), Medicine
(Dermatology), (\$1,584-\$2,023)

Technologist I (Part-time/Trust/Term), Pathology, (\$1,012-\$1,306) (prorated)
Laboratory Assistant II (Trust), Gastroenterology, (\$1,276-\$1,584)
Technician I (Trust), Psychiatry, (\$1,643-\$2,109)
Technician I/II (Trust), Medicine (Neurology), (\$1,643-\$2,109)
Biochemistry Technician I (Trust), Biochemistry, (\$1,643-\$2,109)

Advertisements

Accommodations available

Victoria properties - Experienced, knowledgeable realtor with Edmonton references will answer queries, and send information. No cost or obligation. Call collect (604) 595-3200, Lois Dutton, Re/Max Ports West, Victoria, BC.

Rent - January for one year, two-plus bedroom bungalow, fully furnished, large lot, garden, pleasant view. Quiet area close to schools, bus, stores. \$650/month. Nonsmokers. 435-2027.

Rent - Quiet, central, easy access to University. One-bedroom, available immediately. 482-1456/430-7770.

Sale - Belgravia, nice two-bedroom bungalow, developed basement, double garage. Superb location close to the University, \$119,500. Ed Lastiwka, Royal LePage Realty, 437-7480, 437-4984.

Sale - 150 acres of productive land located 20 miles SE of city, on pavement, quilt area, \$700 per acre, 941-3962.

Rent - Furnished, three-bedroom home, \$500/month plus utilities, 28 October-5 April, all appliances, car plug-ins, 12 minutes from University. References. 489-7238.

Sale - Saskatchewan Drive, over 3,400' developed four level split. Open-beam living room, four bedrooms plus den. Fabulous river valley view, huge 1/2 acre lot. Betty Horch, Re/Max Real Estate, 439-7000.

Sale - By owner, near University (Strathcona). Beautifully renovated, two storeys, 1,330', three bedrooms, fireplace, extensive redwood panelling, sliding doors to large deck, large heated garage. Recreational amenities nearby. \$119,900. 432-0179.

Sale - Beautiful retirement bungalow in Okanagan. Three bedrooms, Spanish style, fireplace, air conditioning, attached double garage, 1/2 acre with fruit trees, extensive lawn, underground sprinklers, large private patio. \$125,000, (604) 766-4112.

Sale - Well maintained semi-bungalow, five minutes from University. Excellent revenue property close to shopping, transportation, schools. Available immediately. Patrick Grace, 438-5100, 438-5006.

Sale - By owner, prime location, overlooking Rainbow Valley, four level split, close to U of A, hospitals. Excellent condition, professionally landscaped, 1,826 square feet. \$215,000, 436-1768. No agents, please.

Sale - Condos: One bedroom, \$78,000, River Ridge; studio unit, \$38,900, Athabasca; two bedroom, \$167,500, LeMarchand; penthouse, 3,093', \$299,000, McDougall. Janice Duke, Royal LePage Realty, 437-7480.

Sale - Pleasantview, split-level, immaculate, all appliances, drapery. Only \$115,500. Call Janice Duke, 437-7480, Royal LePage Realty.

Sale - Fantastic bungalow, fantastic price. Lendrum, 1,380', immaculate, main floor family room or four bedroom, three baths, skylight, triple glazed windows, finished basement. Sherry Mailo, Re/Max Realty, 438-7000. Reduced, \$113,900.

Rent - Semi-private basement suite, to nonsmoking graduate student or professional. In Windsor Park, phone 439-4285.

Rent - Short walk to University. Three bedrooms plus. Upgraded, charming house, private yard. Professionals only. \$1,000 per month, phone 437-3287.

Sale - McKernan, renovated semi-bungalow, three bedrooms plus den, two bathrooms, fireplace. Completely developed basement with recreation room, bedroom, sauna. Two blocks from Corbett Hall. 434-3376.

Rent - Two-bedroom, fully furnished suite, 120 Street 102 Avenue, plug-in parking. Adults only. 488-7085, 488-5839.

Rent - Large room, across street from University. For graduate student or staff. Private bath and entrance. Parking available. 433-7197.

Sale - Windsor Park, 2,600' family home, open fireplaces, main floor family room, oak floors, patio, private backyard. Walk five minutes-campus. 439-3670.

Sale/Rent - Modest two-bedroom house with separate one-bedroom basement suite. Occupancy November. Fifteen minutes by bus to University. Phone 420-5125 (Walter) or 455-5488 (evenings).

Accommodations wanted

Married professional couple wanting to housesit. Nonsmoking, no children, no pets. Call 487-3450 after 6 pm. Housesitter available (references). Call Janet 434-1097, 425-3730.

Goods for sale

Cash paid for appliances, 432-0272.

The Edmonton Book Store specializes in books for the University community. Quality books bought and sold every day; just a short walk from campus, 8530 109 Street. Call 433-1781.

Yamaha Piano, ebony model U1, adjustable chair, 24 years, regularly serviced, exceptional condition. \$3,500, 433-4081.

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Backaches? Stress tension? Special therapy at Back-Basics (supplementary health care reimburses treatment costs). Maria Krieg is a spine specialist, university-trained in Dusseldorf. 11610 75 Avenue. 436-8059.

Trees, Maintenance and Care: Specializing in tree and shrub planting, pruning and removal, fall yard cleanups, yard maintenance, and dump trips. Quality work, reasonable rates. Roger at 436-3984.

Piano, theory, harmony lessons. Beginners-adults. Western Board. Robert Gariepy, 433-7238.

Vacation in Turkey; further information from Golden Horn Tours. 10115 150 Street T5P 1P2. 483-8288, 435-2129.

Independent professional cleaner, bonded and insured. Weekly or biweekly household cleaning. Better than agency rates. 439-8347.

Word processing services, laser printing, reasonable rates. Call Roni, 450-3483.

The Michener Park playschool invites you to enroll your three- or four-year-old child in our flexible two or three morning per week program. Sheila, 435-4570, 438-3026.

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Macintosh 512 c/w ext d/drive, some software. \$1,200, 461-5807, 431-1876 after 5 pm.

Wanted: After school care for grade three Duggan student. Please phone 438-2945.

Progoff Intensive Journal Workshop, life context, led by Sister Therese Craig, PhD, Strawberry Creek Lodge, 13-15 October. Room/meals \$83; tuition \$125 (25 percent discount seniors/students). 432-7582, 465-2202.

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Is now located in HUB MALL. On July 4th the Faculty & Staff Travel office of Travel CUTS relocated to a larger space at 9006 HUB, and we also changed our name.

We are always striving to improve the range and quality of our services and we now have 4 full-time staff to help you with ALL your travel needs.

For your convenience you may continue to reach us at 492-2756.

CANADIAN UNIVERSITIES TRAVEL SERVICE

Fall Pre-Retirement Seminar

Personnel Services and Staff Relations and the Non-Academic Staff Association invite you and your spouse to attend our forthcoming Pre-Retirement information program.

This seminar is limited to NASA members between the ages of 45 and 54.

DATE: October 13 and 14, 1989

TIME: October 13: registration at 8:00
8:30 - 4:30 (seminar)
October 14: 8:30 - 4:30

WHERE: Inn on Whyte
10620 - 82 Avenue, Edmonton

TOPICS: PLANNING, PLANNING AND MORE PLANNING!

- pension
- legal and estate
- personal financial
- Health and Lifestyle
- Housing Options
- Managing Leisure Time.

There are no fees for this seminar; coffee and lunch will be served.

Enrollment is limited. Call early to avoid disappointment! Deadline for registration is September 29, 1989. To register, call Shirley Leonard or Jane Toulouse at **492-4660**.

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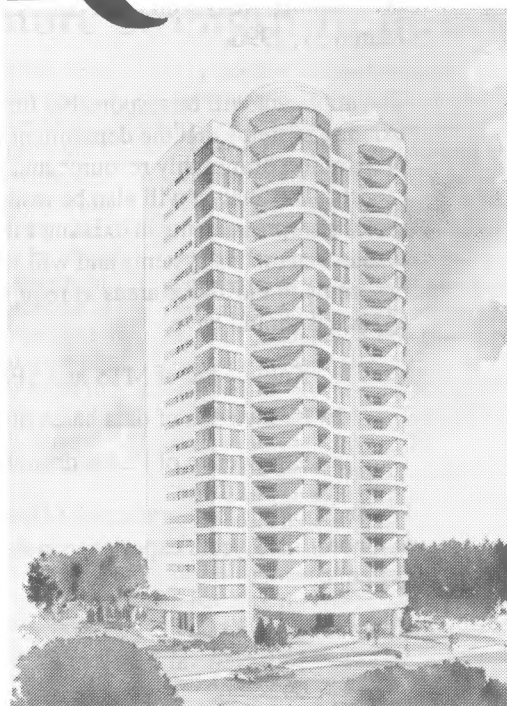
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**Temporary Analyst
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University Computing Systems

University Computing Systems requires a
programmer/analyst on a temporary basis until
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The applicant will be responsible for maintaining
existing systems that the department needs in the
preparation of monthly resource and revenue
reports. The analyst will also be responsible for
seeking improvements in existing billing and
resource statistics systems and will write new
programs in the above areas as required. The
applicant should have:

1. Knowledge of MTS and SPIRES
2. Knowledge of data bases on PCs
3. Knowledge of PLI is desirable

We are looking for a graduate of Computing
Science with 3 years experience in data base
systems.

Contact: Olga Kolar
363, General Services Building
492-2462